

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: May 7, 2002, 12:01:21 ; Search time 26.38 Seconds  
(without alignments)  
109.190 Million cell updates/sec

Title: US-09-772-103-8  
Perfect score: 655  
Sequence: 1 MDPVQIFSELLISASVLS.....CQWSSYPLTFGGTKVEIK 128

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/6C.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/6D.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	609	93.0	128	4	US-08-619-491-6
2	609	93.0	128	5	PCT-US95-07302-6
3	599	91.5	235	4	US-09-171-945-52
4	593	90.5	235	4	US-09-171-945-52
5	590	90.1	133	2	US-08-438-562-37
6	590	90.1	133	2	US-08-438-562-37
7	590	90.1	133	2	US-08-438-562-37
8	583	89.0	235	4	US-09-171-945-97
9	520	79.4	128	1	US-07-946-421-26
10	519	79.2	128	1	US-07-946-421-26
11	519	79.2	128	1	US-07-946-421-26
12	519	79.2	128	1	US-07-946-421-26
13	519	79.2	128	1	US-07-946-421-26
14	519	79.2	128	1	US-07-946-421-26
15	518	79.1	126	2	US-08-487-200-31
16	518	79.1	126	2	US-08-487-200-31
17	516	78.8	129	5	PCT-US95-07372-12
18	514	78.5	128	4	US-08-619-491-2
19	514	78.5	128	5	PCT-US95-07372-12
20	508	77.6	106	1	US-07-634-278-35
21	508	77.6	106	1	US-07-634-278-35
22	508	77.6	106	1	US-07-634-278-35
23	508	77.6	106	1	US-07-634-278-35
24	508	77.6	106	1	US-07-634-278-35
25	508	77.6	106	1	US-07-634-278-35
26	508	77.6	106	1	US-07-634-278-35
27	508	77.6	106	1	US-07-634-278-35

28	508	77.6	106	4	US-08-484-537-35	Sequence 35, Appl
29	508	77.6	106	4	US-08-484-537-35	Sequence 59, Appl
30	506	77.3	129	2	US-08-116-778E-2	Sequence 2, Appl
31	506	77.3	129	2	US-08-116-778E-2	Sequence 2, Appl
32	506	77.3	129	2	US-08-438-562-2	Sequence 92, Appl
33	503	76.8	129	2	US-08-438-562-2	Sequence 92, Appl
34	503	76.8	129	2	US-08-438-562-2	Sequence 92, Appl
35	500	76.3	110	1	US-08-397-411-8	Sequence 12, Appl
36	500	76.3	110	1	US-08-397-411-8	Sequence 12, Appl
37	500	76.3	110	1	US-08-397-411-8	Sequence 12, Appl
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41	500	76.3	110	1	US-08-397-411-8	Sequence 12, Appl
42	500	76.3	110	1	US-08-397-411-8	Sequence 12, Appl
43	499	76.2	107	4	US-09-171-945-50	Sequence 50, Appl
44	496	75.7	107	4	US-09-171-945-50	Sequence 50, Appl
45	495	75.6	107	1	US-08-459-310-14	Sequence 14, Appl

## ALIGNMENTS

RESULT 1  
US-08-619-491-6  
; Sequence 6, Application US/08619491  
; Patent No. 6210670  
; GENERAL INFORMATION:  
; APPLICANT: Berg, Ellen L.  
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies  
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/619,491  
FILING DATE: 26-MAR-1996  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US95/07302  
FILING DATE: 07-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/259,963  
FILING DATE: 14-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Storella, John R.  
REGISTRATION NUMBER: 32,944  
REFERENCE/DOCKET NUMBER: 011823-00581005  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-619-491-6

Query Match 93.0%; Score 609; DB 4; Length 128;  
Best Local Similarity 93.0%; Pred. No. 2.8e-46;  
Matches 119; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

us-09-772-103-8.ra1

Mon Jul 1 16:28:12 2002

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; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07302-6

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; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07302-6

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; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07302-6

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; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07302-6

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; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07302-6

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; Sequence 6, Application PC/TUS9507302
; GENERAL INFORMATION:
; APPLICANT: Berg, Ellen L.
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US95/07302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/259,963
; FILING DATE: 14-JUNE-94
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11823-005810PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 128 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07302-6

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; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
; US-09-171-945-52

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; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; US-09-171-945-52

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; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; US-09-171-945-52

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; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
; FILE REFERENCE: Monoclonal Antibody to CEA
; CURRENT APPLICATION NUMBER: US/09/171,945
; CURRENT FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; US-09-171-945-52

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## ; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: humanized  
US-09-171-945-99

Query Match 90.5%; Score 593; DB 4; Length 235;  
Best Local Similarity 90.6%; Pred. No. 1.5e-46;  
Matches 116; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
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Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
|||||

QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYLTITSSLOPEDFATYTCQOWSSYPLTFG 120  
|||||  
Db 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYLTITSSLOPEDFATYTCQOWSSYPLTFG 120  
|||||

QY 121 GGTKEVEIK 128  
|||||  
Db 121 GGTKEVEIK 128  
|||||

## RESULT 5

US-08-116-778E-37  
; Sequence 37, Application US/08116778E  
; Patent No. 5830470  
; GENERAL INFORMATION:  
; APPLICANT: NAKAMURA, KAZUYASU  
; APPLICANT: KOIKE, MASAMICHI  
; APPLICANT: SHITARA, KENYA  
; APPLICANT: HANAI, NOBUO  
; APPLICANT: KAWANA, YOSHIHISA  
; APPLICANT: HASEGAWA, MAMORU  
; TITLE OF INVENTION: HUMANIZED ANTIBODIES  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHVE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VIRGINIA  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/116,778E  
FILING DATE: 07-SEP-93  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 249-59  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)816-4000  
TELEFAX: (703)816-4100  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 133 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-116-778E-37

Query Match 90.1%; Score 590; DB 2; Length 133;  
Best Local Similarity 89.8%; Pred. No. 1.5e-46;  
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

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Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
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Db 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYLTITSSLOPEDFATYTCQOWSSYPLTFG 120  
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QY 121 GGTKEVEIK 128  
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Db 121 GGTKEVEIK 128  
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## RESULT 6

US-08-438-562-37  
; Sequence 37, Application US/08438562  
; Patent No. 5874255  
; GENERAL INFORMATION:  
; APPLICANT: NAKAMURA, KAZUYASU  
; APPLICANT: KOIKE, MASAMICHI  
; APPLICANT: SHITARA, KENYA  
; APPLICANT: HANAI, NOBUO  
; APPLICANT: KAWANA, YOSHIHISA  
; APPLICANT: HASEGAWA, MAMORU  
; TITLE OF INVENTION: HUMANIZED ANTIBODIES  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHVE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VIRGINIA  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/438,562  
FILING DATE: 10-MAY-95  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/116,778  
FILING DATE: 07-SEP-93  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 249-76  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)816-4000  
TELEFAX: (703)816-4100  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 133 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-438-562-37

Query Match 90.1%; Score 590; DB 2; Length 133;  
Best Local Similarity 89.8%; Pred. No. 1.5e-46;  
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYLTITSSLOPEDFATYTCQOWSSYPLTFG 120  
Db 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYLTITSSLOPEDFATYTCQOWSSYPLTFG 120  
QY 121 GGTKEVEIK 128

Db 121 GGTKVEIK 128

|||||

Db 121 GGTKVEIK 128

RESULT 7

US-08-483-528B-101

; Sequence 101 Application US/08483528B

; Patent No. 5939532

; GENERAL INFORMATION:

; APPLICANT: NAKAMURA, KAZUYASU

; APPLICANT: KOIKE, MASAMICHI

; APPLICANT: SHITARA, KENYA

; APPLICANT: HANAI, NOBUO

; APPLICANT: KIWANA, YOSHIHISA

; APPLICANT: HASEGAWA, NAMORU

; TITLE OF INVENTION: HUMANIZED ANTIBODIES

; NUMBER OF SEQUENCES: 103

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: NIXON & VANDERHVE P.C.

; STREET: 1100 NORTH GLEBE ROAD

; CITY: ARLINGTON

; STATE: VIRGINIA

; COUNTRY: U.S.A.

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/483,528B

; FILING DATE: 07-JUN-95

; CLASSIFICATION: 536

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)816-4000

; TELEFAX: (703)816-4100

; INFORMATION FOR SEQ ID NO: 101:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 133 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-483-528B-101

Query Match 90.1%; Score 590; DB 2; Length 133;

Best Local Similarity 89.8%; Pred. No. 1.5e-46; Indels 0; Gaps 0;

Matches 115; Conservative 6; Mismatches 7;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MHFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

RESULT 8

US-09-171-945-97

; Sequence 97 Application US/09171945

; Patent No. 6277599

; GENERAL INFORMATION:

; APPLICANT: Emery, Stephen

; APPLICANT: Copley, Clive Graham

; APPLICANT: Edge, Michael Derek

; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said

; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System

; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System

; FILE REFERENCE: Monoclonal Antibody to CEA

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

RESULT 9

US-07-946-421-26

; Sequence 26 Application US/07946421

; Patent No. 5558864

; GENERAL INFORMATION:

; APPLICANT: Bendig, Mary M.

; APPLICANT: Kettleborough, Catherine A.

; APPLICANT: Saldanha, Jose

; TITLE OF INVENTION: Humanized and Chimeric Monoclonal

; TITLE OF INVENTION: Antibodies

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Millen, White, Zelano & Branigan, P.C.

; STREET: 2200 Clarendon Boulevard, Suite 1400

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22201

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/946,421

; FILING DATE: 06-NOV-1992

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: WO PCT/EP92/00480

; FILING DATE: 04-MAR-1992

; PRIOR APPLICATION DATA: EP 911933892

; APPLICATION NUMBER: EP 911933892

; FILING DATE: 06-MAR-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Hamlet-King, Diana

; REGISTRATION NUMBER: 33,302

; REFERENCE/DOCKET NUMBER: Merck 1430

US-07-946-421-26

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

61 PGKAPKLLIYDTSNLAGVPSRFGSGGSDTYLTITSSLOPEDFATYYCQQWSSYPYTFG 120

121 GGTKVEIK 128

121 GGTKVEIK 128

US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;

Best Local Similarity 89.1%; Pred. No. 1.2e-45; Indels 0; Gaps 0;

Matches 114; Conservative 6; Mismatches 8;

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

1 MDFQVQIFSFLLISAVILSRGDIQMTQSPSSLSASVSGDRVTITCSATSSITYMSWYQOK 60

61 PGKAPK

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-243-6333  
TELEFAX: 703-243-6410  
TELEX: 64191  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-07-946-421-26

Query Match 79.4%; Score 520; DB 1; Length 128;  
Best Local Similarity 77.3%; Pred. No. 3e-40;  
Matches 99; Conservative 15; Mismatches 14; Indels 0; Gaps 0;  
QY 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQK 60  
Db 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQK 60  
61 PKAPKLLIYDTSNLASGVPRFSGSGGTDTLTITSSLOPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLLIYDTSNLASGVPRFSGSGGTDTLTITSSLOPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKVEIK 128  
Db 121 SGTKEIK 128

RESULT 10  
US-07-634-278-31  
Sequence 31, Application US/07634278  
Patent No. 5530101  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: CO. Man Sung  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: LANDOLFI, Nicholas F.  
APPLICANT: COELINGH, Kathleen L.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Khourie and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/634,278  
FILING DATE: 19-DEC-1990  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002600  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400

TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-634-278-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQK 60  
Db 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQK 60  
61 PKAPKLLIYDTSNLASGVPRFSGSGGTDTLTITSSLOPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLLIYDTSNLASGVPRFSGSGGTDTLTITSSLOPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKVEIK 128  
Db 121 AGTKLEIK 128

RESULT 11  
US-08-477-728-31  
Sequence 31, Application US/08477728  
Patent No. 5585089  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/477,728  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/634,278  
FILING DATE: 19-DEC-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002600  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 31:

us-09-772-103-8.ra1

Mon Jul 1 16:28:12 2002

SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-477-728-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITYMSWYQOK 60  
Db 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISSLPQEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLSAGVPSRFGSGSGTDYTLTISSLPQEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLELK 128

RESULT 12  
US-08-474-040-31  
Sequence 31, Application US/08474040  
Patent No. 5693761  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: CO, Man Sung  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: LANDOLFI, Nicholas F.  
APPLICANT: COELINGH, Kathleen L.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Khourie and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/474,040  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/634,278  
FILING DATE: 19-DEC-1990  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002600  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-474-040-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITYMSWYQOK 60  
Db 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVITTCSTATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLSAGVPSRFGSGSGTDYTLTISSLPQEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLSAGVPSRFGSGSGTDYTLTISSLPQEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLELK 128

RESULT 13  
US-08-487-200-31  
Sequence 31, Application US/08487200  
Patent No. 5693762  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: CO, Man Sung  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: LANDOLFI, Nicholas F.  
APPLICANT: COELINGH, Kathleen L.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/487,200  
FILING DATE: 7-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/634,278  
FILING DATE: 19-DEC-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002610  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422

; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 128 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-487-200-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGGTDTYLTITSSLOPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGGTDTYLTITSSLOPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLEIK 128

RESULT 14  
US-08-484-537-31  
; Sequence 31, Application US/08484537  
; Patent No. 6180370  
; GENERAL INFORMATION:  
; APPLICANT: QUEEN, Cary L.  
; APPLICANT: CO, Man Sung  
; APPLICANT: SCHNEIDER, William P.  
; APPLICANT: LANDOLFI, Nicholas F.  
; APPLICANT: COELING, Kathleen L.  
; APPLICANT: SELICK, Harold E.  
; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
; NUMBER OF SEQUENCES: 113  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Khourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/484,537  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/634,278  
; FILING DATE: 19-DEC-1990  
; APPLICATION NUMBER: US/07/590,274  
; FILING DATE: 28-SEP-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/310,252  
; FILING DATE: 13-FEB-1989  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/290,975  
; FILING DATE: 28-DEC-1988  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 11823-002600  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422

; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 128 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-484-537-31

Query Match 79.2%; Score 519; DB 4; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGGTDTYLTITSSLOPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGGTDTYLTITSSLOPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLEIK 128

RESULT 15  
US-08-656-586-6  
; Sequence 6, Application US/08656586  
; Patent No. 5834597  
; GENERAL INFORMATION:  
; APPLICANT: Tso, J. Yun  
; APPLICANT: Cole, Michael S.  
; APPLICANT: Anasetti, Claudio  
; TITLE OF INVENTION: Mutated No. 5834597activating IgG2 Domains and  
; TITLE OF INVENTION: Anti-CD3 Antibodies Incorporating the Same  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/656,586  
; FILING DATE: 31-MAY-1996  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Liebeschuetz, Joseph O.  
; REGISTRATION NUMBER: 37,505  
; REFERENCE/DOCKET NUMBER: 11823-007210US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 126 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-656-586-6

Query Match 79.1%; Score 518; DB 2; Length 126;  
Best Local Similarity 90.8%; Pred. No. 4.5e-40;  
Matches 99; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Mon Jul 1 16:28:12 2002

70	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	79
QY			
71	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	80
QY			
72	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	81
QY			
73	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	82
QY			
74	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	83
QY			
75	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	84
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76	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	85
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77	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	86
QY			
78	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	87
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79	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	88
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80	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	89
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81	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	90
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89	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	98
QY			
90	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	99
QY			
91	SRGDIQMTQSPSSLSASVGDRVTITCSA	SSYYMSWVQOQPKAPKLLIYDTSNLASGV	100
QY			

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Job time: 149 sec